

# GRANT SUMMARY

Date filled out: 5/4/07

<b>Grant Information:</b>	
1. <b>Grant Agreement Number:</b> 06-375-559	
2. <b>Project Title:</b> Development of Multimetric Tools for Setting Numeric Nutrient Targets Including a Periphyton Index of Biotic Integrity (PIBI)	
3. <b>Project Purpose - Problem Being Addressed:</b> To develop an Index of Biotic Integrity (IBI) for southern California streams using periphyton (benthic soft algae and diatoms). A periphyton IBI would complement the existing benthic macroinvertebrate IBI currently used in bioassessment in our region, by providing additional lines of evidence corroborating critical levels of stress. It would also provide some other advantages: 1) as primary producers, periphyton assemblages are particularly responsive to nutrients, a common source of impairment, thus a periphyton IBI could be of great value in supporting the development of numeric nutrient targets, and 2) periphyton communities develop very rapidly, and thus could be of use for conducting bioassessment in shorter-lived, non-perennial systems.	
4. <b>Project Goals</b>	
a. <b>Short-term Goals:</b> To generate a dataset of periphyton, nutrients and other water-column constituents, and environmental variables in southern California streams, and use this information to develop a periphyton IBI.	
b. <b>Long-term Goals:</b> To facilitate the use of periphyton in bioassessment in our region, and to support numeric nutrient target development.	
5. <b>Project Location:</b> (lat/longs, watershed, etc.) Work on this project will take place in streams throughout southern California coastal watersheds.	
a. <b>Physical Size of Project:</b> (miles, acres, sq. ft., etc.) The extent of coastal watersheds across the Southern California Bight.	
b. <b>Counties Included in the Project:</b> San Diego, Orange, Los Angeles, Ventura, Santa Barbara, San Bernardino, Riverside	
c. <b>Legislative Districts:</b> (Assembly and Senate) Senate Districts: 17, 19-36, 38, 39; Assembly Districts: 33, 35, 37-58, 60, 67-79	
6. <b>Which SWRCB program is funding this grant?</b> Please "X" box that applies.	
<input type="checkbox"/> Prop 13 <input type="checkbox"/> Prop 40 <input checked="" type="checkbox"/> Prop 50 <input type="checkbox"/> EPA 319(h) <input type="checkbox"/> Other	
<b>Grant Contact:</b> Refers to Grant Project Director.	
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<b>Grant Time Frame:</b> Refers to the implementation period of the grant.	
<b>From:</b> 2/1/07	<b>To:</b> 3/1/2010
<b>Project Partner Information:</b> Name all agencies/groups involved with project. California State University (CSU) San Marcos, California Academy of Sciences, CSU Monterey Bay, University of California Santa Cruz	
<b>Nutrient and Sediment Load Reduction Projection:</b> (If applicable) N/A	